

100



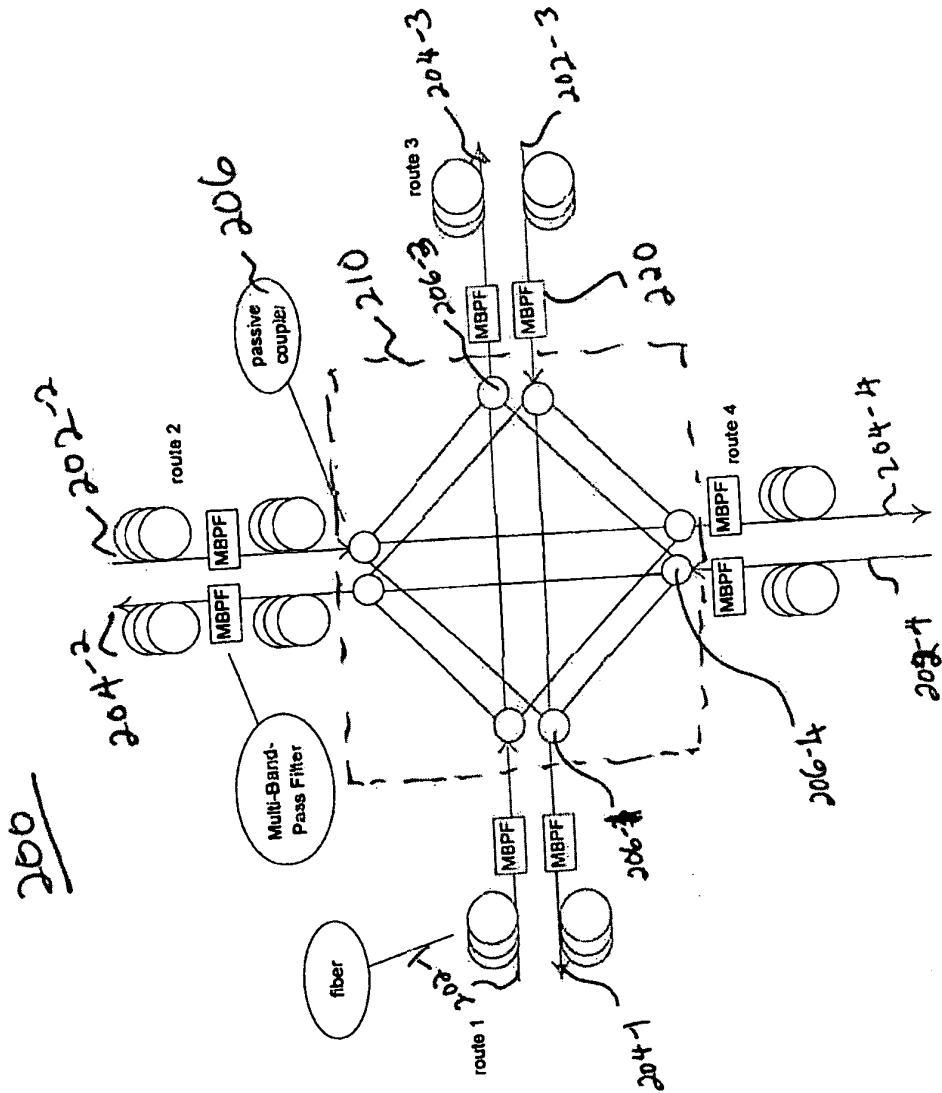


FIG. 2.

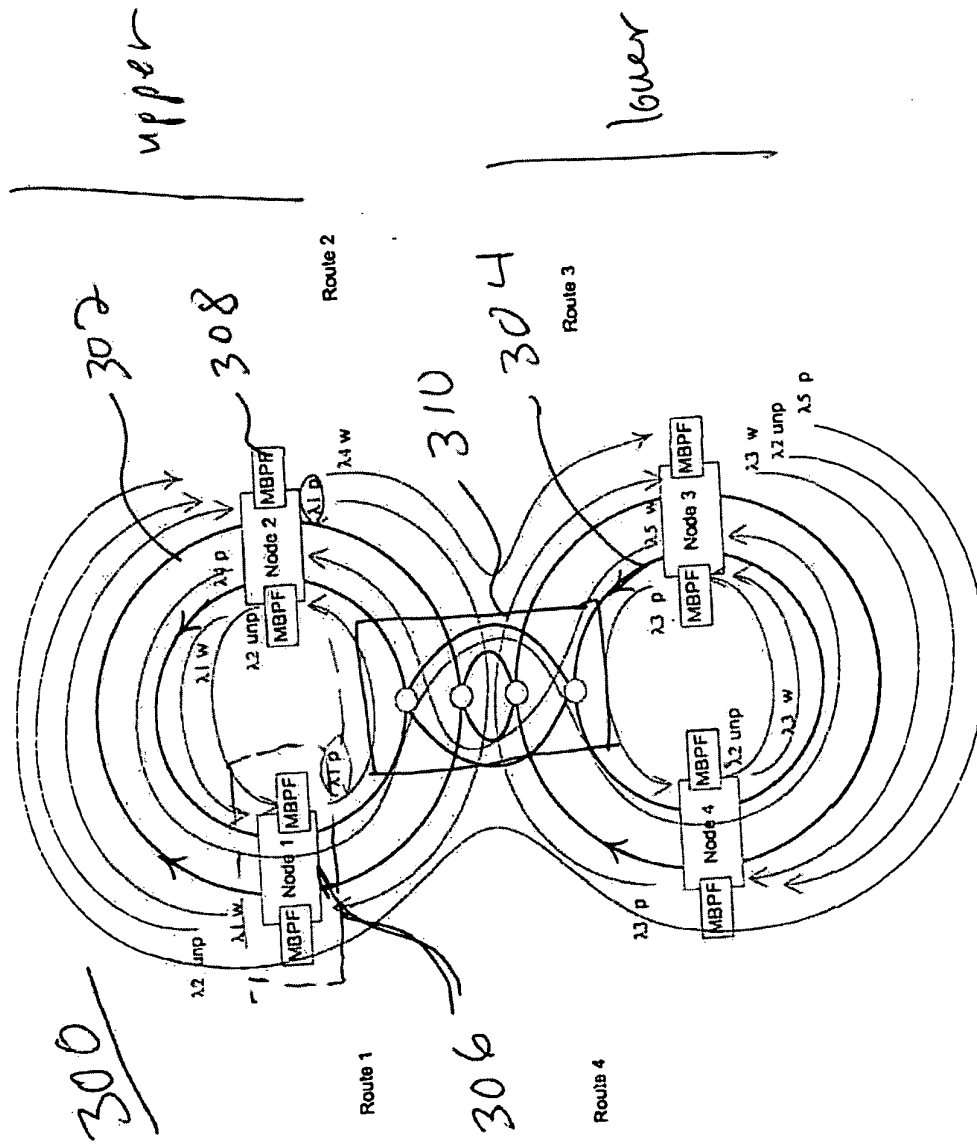


FIG. 3.

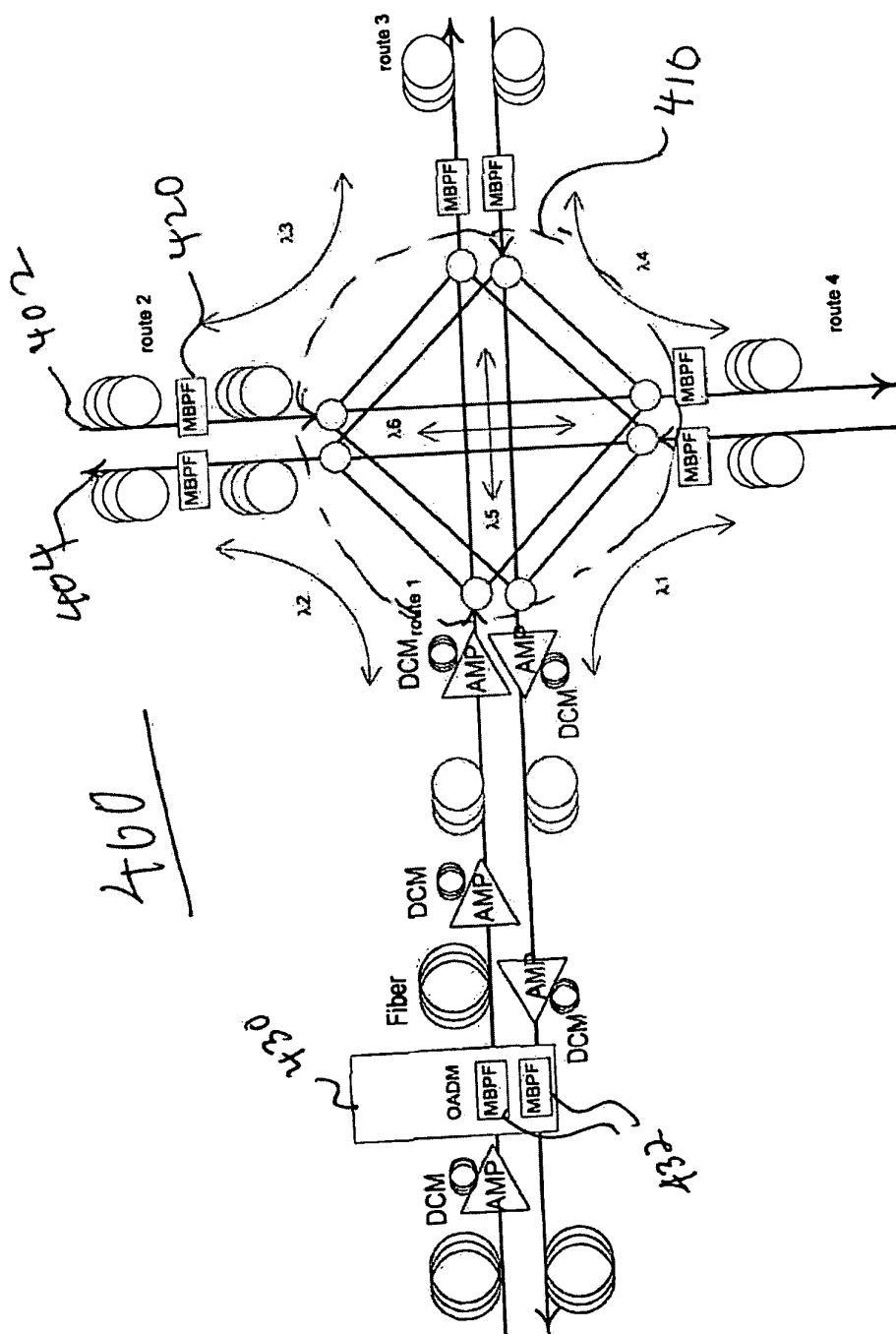


FIG. 4.

Example (model network)

Shows how MBPF count drops with higher system capacity

path = [1 2
2 3
2 7
3 8
3 4
12 13
7 12
13 18
18 19
18 23
23 24
24 25
19 20
17 18];

demand = [1 8 20
2 8 10
2 7 10
2 12 20
2 20 20
17 20 10
13 18 15
12 13 15
12 23 10
18 25 20
13 17 20
13 24 20
7 12 15];

- * -- network node
- O -- MBPF place

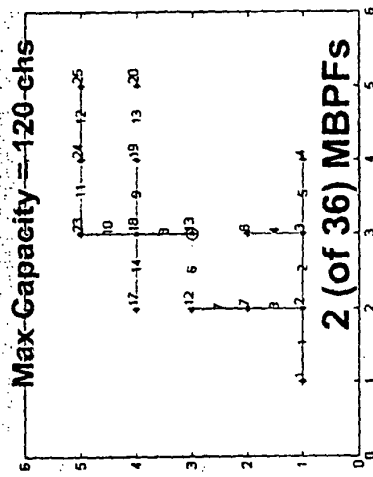
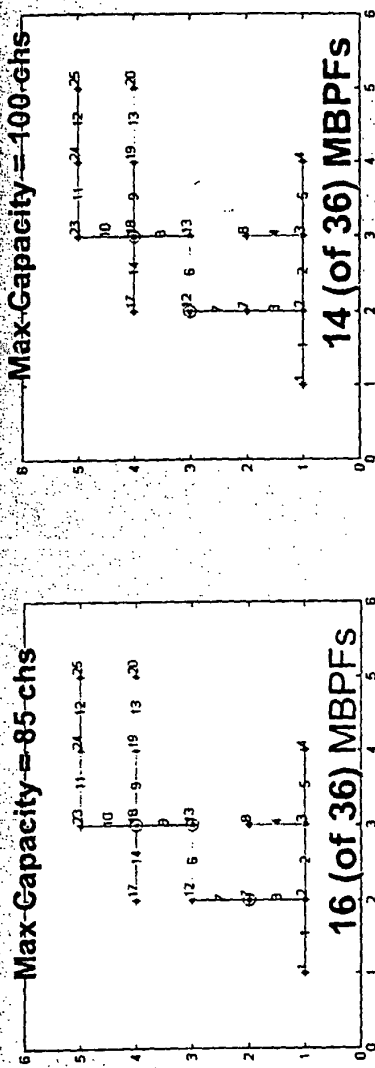
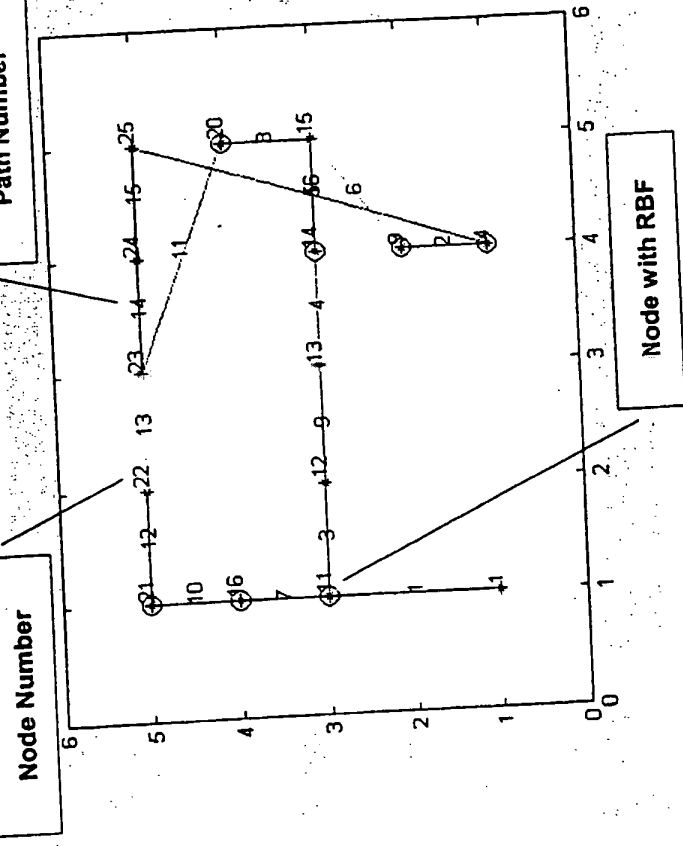


FIG. 5

Example using carrier subnet: Ext-band amps, 256 chs max

path =	1	11	1	11	127
	1	11	12	49	
	4	9	2	12	13
	11	12	3	13	14
	13	14	4	14	43
	14	15	5	14	15
	9	15	6	11	16
	11	16	7	16	21
	15	20	8	21	22
	12	13	9	22	23
	16	21	10	23	20
	20	23	11	20	15
	21	22	12	9	15
	22	23	13	4	9
	23	24	14	4	25
	24	25	15	23	24
	4	25	16	1	21
				21	4
				24	25
					5



- * -- network node
- O -- MBPF place
- Note: only 18 out of 40 possible MBPFs deployed!

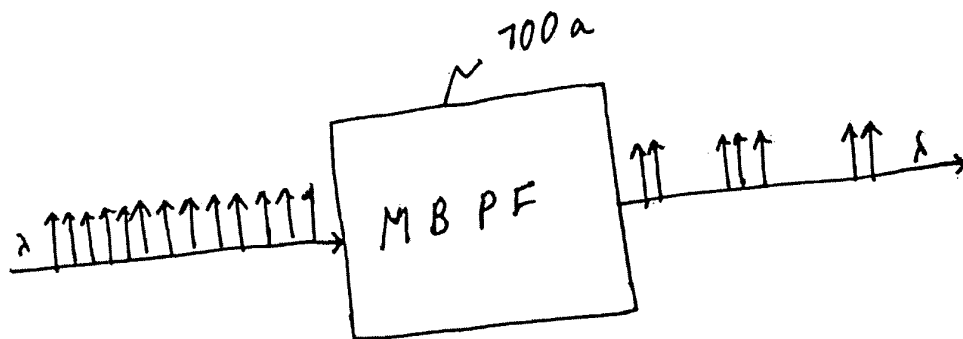


Fig. 7a

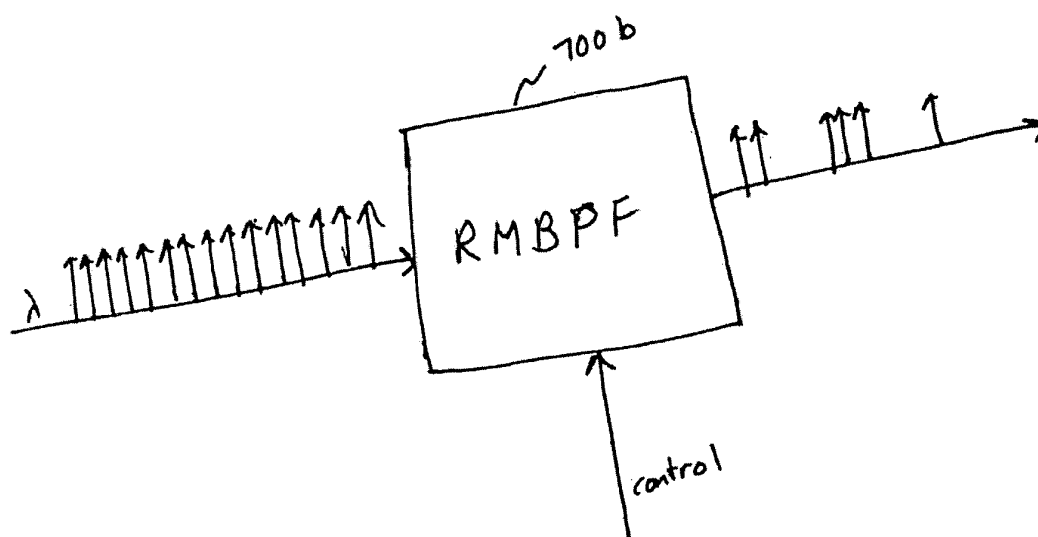


Fig. 7b

800

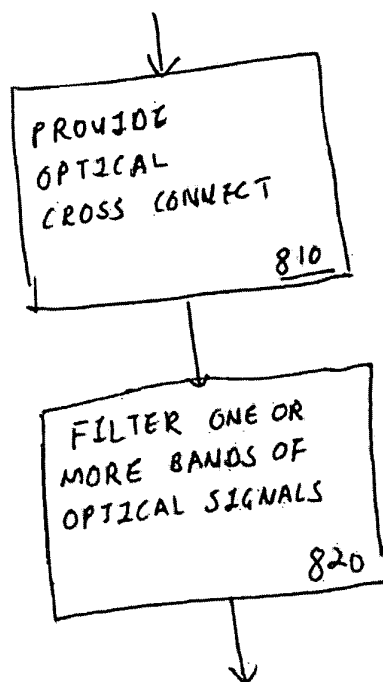


Fig. 8